HF Operators

- • - • - - • - - • • • • - • - - • • • - • • • • - • • • - •

Logger32

A general purpose logging program

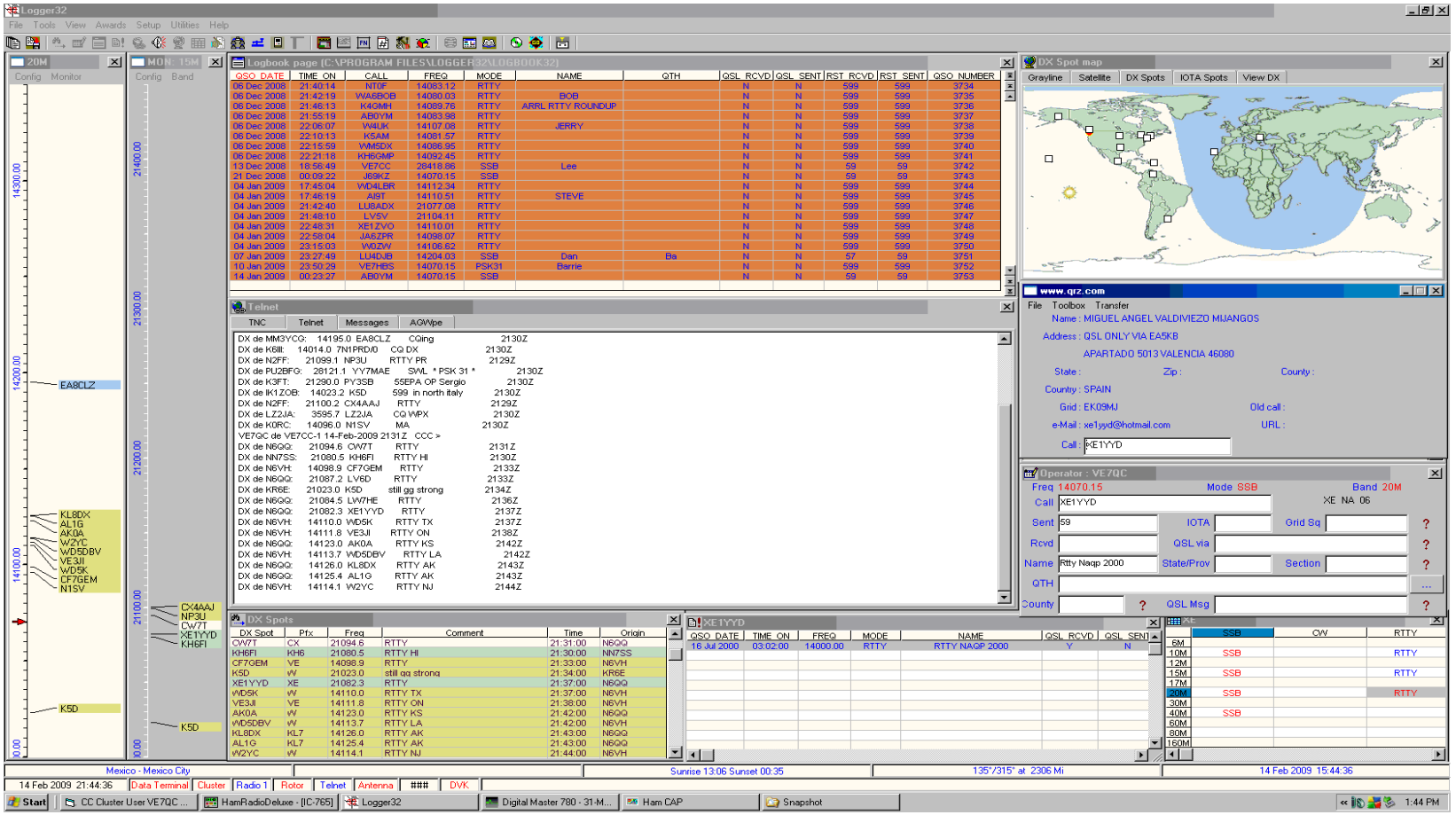
written by

Bob Furzer K4CY

presented by

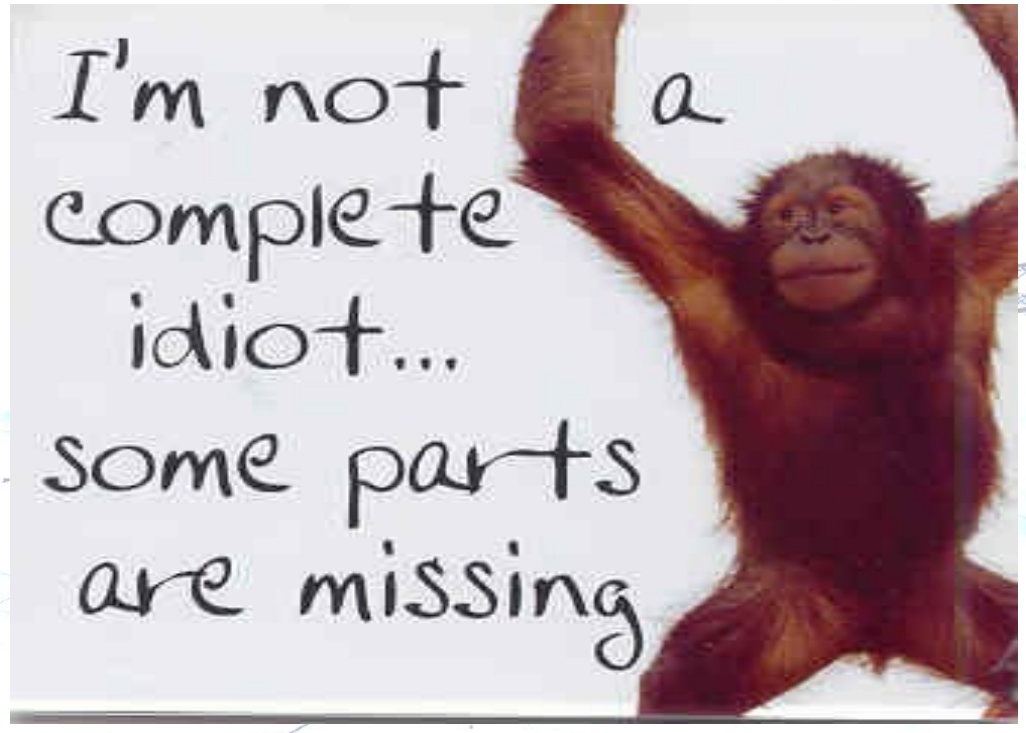
Bill Scholey VE7QC

A Quick Peek


Logger32
Logbook page (C:\PROGRAM FILES\LOGGER32\LOGBOOK.32)
DX Spot map
www.qrz.com
Telnet
DX Spots
Operator : VE7QC
Mexico - Mexico City
Sunrise 13:06 Sunset 00:35
135°/315° at 2306 Mi
14 Feb 2009 15:44:36
Start
1:44 PM

Disclaimer

- • - • - - • - - • • • • - • - - • • • - • • • • - •



Major Features

- - - • - • - - • - - - • • • • - • - - • • • - • • • • - • • • • • - • • • • • • - • • • • • • • - •

- Free – No Cost – Nada
- Highly Configurable
- Built-in Country, IOTA and County Databases
- Beam Headings, Local time & Ham Cap add on
- QSL & Award Tracking
- Supports both LoTW and eQSL Syncronization
- Cluster, Radio, Rotor, Antenna, DVK & CW Keyer
- Callsign Lookup with Add ons or CDROM
- Atomic clock sync
- Digital Modes, SO2R & more

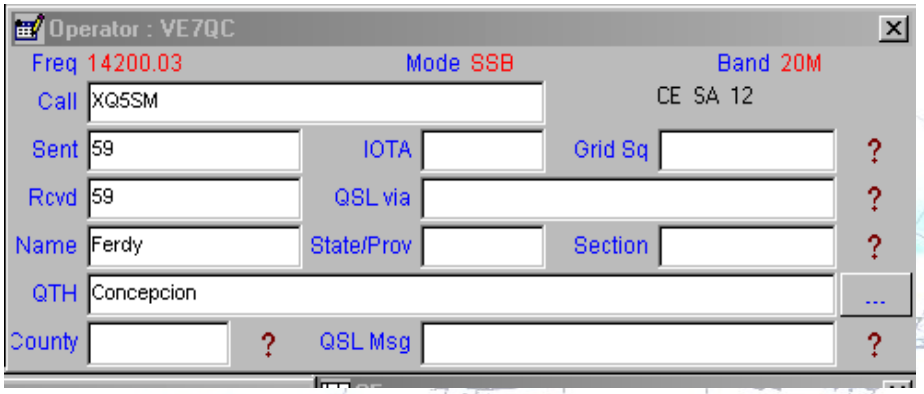
System Requirements

- A Windows 32 bit OS
  - Windows 2000
  - Windows XP
  - Windows NT
  - Windows ME
  - Windows 95/98 should also work (no support)
- Vista not supported – workaround
- Linux under WINE / VMWare – mixed results
- Min Pentium 166Mhz, 32 MB ram & 20MB disk
- The larger the display the better

QSO Entry

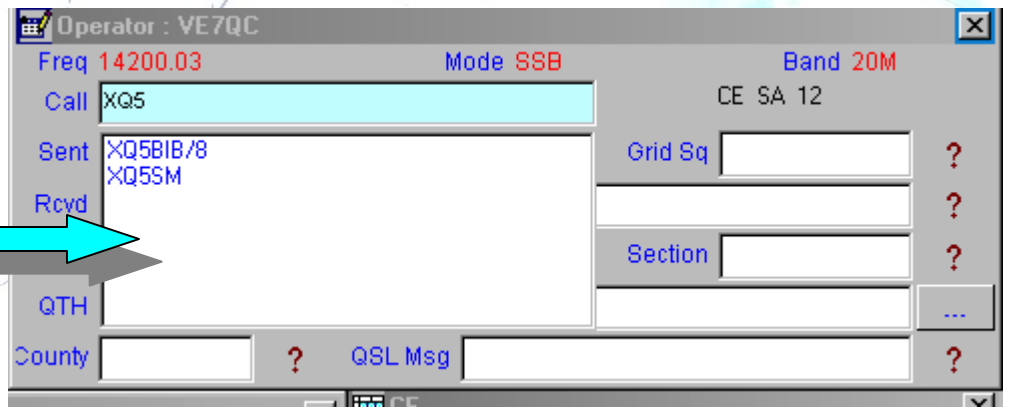
- • - • - - • - - • • • • - • - - • • • - • • • • - •

Can be customized to suit – Fields / Fonts / Colour



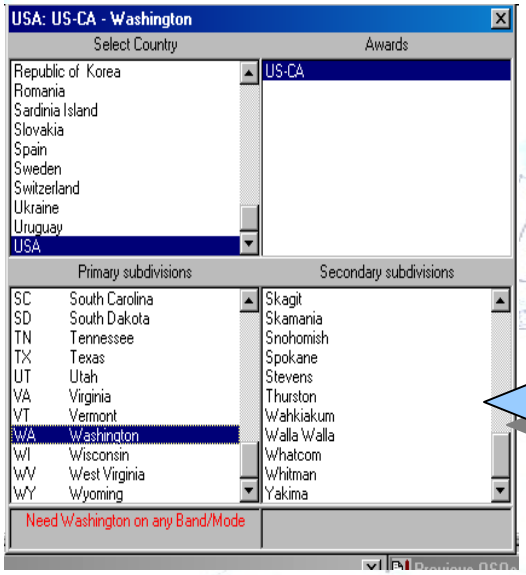
Able to carry forward info from previous QSO's ie Name, QTH, etc

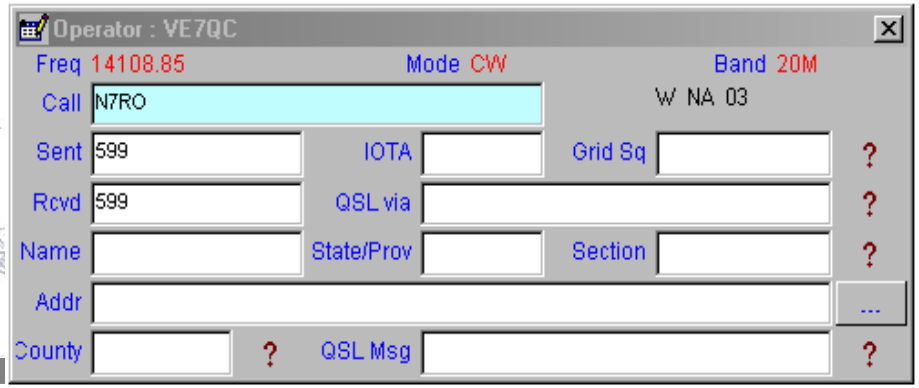
Previously worked calls shown as entry typed



Information Fields

- • - • - - • - - •• • • • • - • - - • • • - • • • • • - •



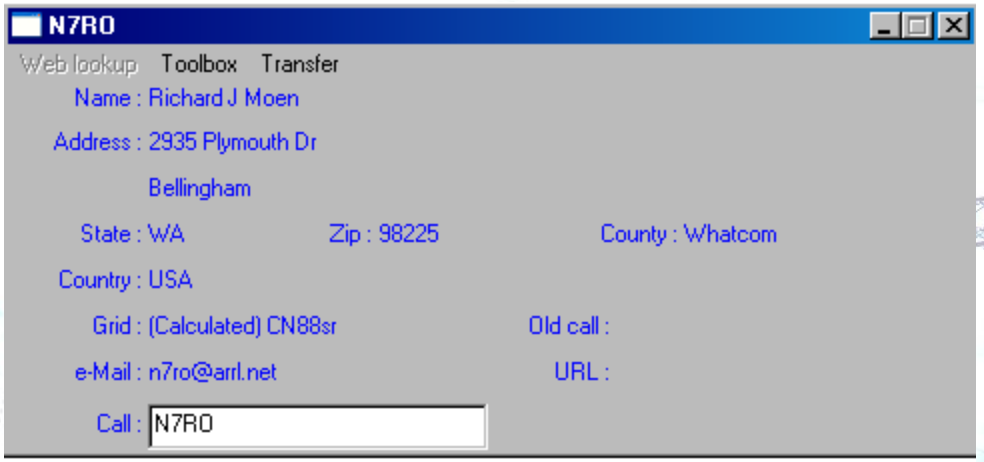


Click on a ? to provide more detail

Call sign Lookup

- • - • - - • - - • • • • - • - - • • • - • • • • - •

Radio Amateurs Callbook CD



Similar data available using QRZ or Hamcall

Contact Information

- • - • - - • - - •• • • • • - • - - • •• - • • • • • - •

Previous QSO's & Worked / Needed by Band

QSO_DATE	TIME_ON	FREQ	MODE	NAME	QSL_RCVD	QSL_SENT
30 Jan 1999	00:16:00	28417.89	SSB	Fernando : Concepcion	Y	N
08 Mar 1999	22:33:00	28386.60	SSB	Fernando : Concepcion	Y	Y
11 Jun 1999	02:59:00	21286.50	SSB		N	N
12 Dec 1999	01:42:00	28501.21	SSB	nando Reyes Salamanca : Conce	N	N
28 Dec 1999	23:27:00	28502.09	SSB	nando Reyes Salamanca : Conce	N	N
27 Jan 2001	03:27:00	14218.17	SSB	nando Reyes Salamanca : Conce	N	N
16 May 2001	01:18:23	14263.00	SSB	Fernando	N	N
13 Jul 2003	03:01:21	14283.51	SSB		N	N
22 Nov 2003	23:38:19	21245.00	SSB	Fernando	N	N
10 Dec 2005	19:07:23	28453.73	SSB	Fernando	N	N
04 Mar 2006	23:09:52	21248.00	SSB		N	N

CE

	SSB	CW	RTTY	PSK31
6M				
10M	C		C	
12M	C			
15M	C		C	
17M				
20M	C		C	W
30M				
40M	C			
60M				
80M				
160M				

Location – Sun – Bearing – Distance - Time

Chile - Bio-Bio	Need XQ5 WPX on 20M	Sunrise 10:35 Sunset 23:29	141°/321° at 6561 Mi	02 Mar 2009 14:17:30

Log Page

- • - • - - • - - • • • • - • - - • • • - • • • • - •

All Fields Configurable – Size,Position,Font,etc

Logbook page (C:\PROGRAM FILES\LOGGER32\LOGBOOK32)

QSO_DATE	TIME_ON	CALL	FREQ	MODE	NAME	QTH	QSL_RCVD	QSL_SENT	RST_RCVD	RST_SENT	QSO_NUMBER
12 Feb 2005	21:15:08	K5SF	21094.17	RTTY			N	N	599	599	3123
12 Feb 2005	21:22:21	KL7AC	21081.65	RTTY			N	N	599	599	3124
12 Feb 2005	21:53:33	ZF2NT	21085.01	RTTY			N	N	599	599	3125
12 Feb 2005	23:12:24	JA7IC	21088.84	RTTY			Y	N	599	599	3126
12 Feb 2005	23:15:37	CX7BF	21076.31	RTTY			N	N	599	599	3127
12 Feb 2005	23:19:06	KZ5AM	21083.79	RTTY			N	N	599	599	3128
21 Mar 2005	00:35:38	AI2C	14260.00	SSB	Norman	1184	N	N	59	59	3129
13 Apr 2005	23:48:32	CE3OXT	21315.00	SSB	Adolfo		N	N	55	55	3130
17 Apr 2005	02:47:02	HP8AJT	14070.00	PSK31	Jose		N	N	579	599	3131
26 Apr 2005	03:50:40	ZK2QQ	14225.00	SSB			N	N	59	59	3132
13 Jun 2005	01:05:11	CE2WWF	28495.00	SSB	Rodolfo	Ovalle	Y	Y	57	59	3133
25 Jun 2005	22:30:28	VE7NSR	14216.00	SSB	North	fd	N	N	59	59	3134
01 Aug 2005	19:25:00	VE7TLH	14070.00	PSK31	Logan	psk31	N	N	599	599	3135
07 Aug 2005	04:25:26	P4/N9LAH	14239.00	SSB	Phil	Aruba	N	N	59	59	3136
09 Oct 2005	00:11:51	ZP5MAL	14204.00	SSB	Juan	Asuncion	N	N	59	59	3137
29 Oct 2005	00:11:48	LV5V	21270.77	SSB			N	N	59	59	3138
29 Oct 2005	00:16:18	XE1FSK	21233.08	SSB			N	N	59	59	3139
29 Oct 2005	00:18:59	VA7AM	21198.18	SSB	DAVE		N	N	59	59	3140
30 Oct 2005	21:26:00	CV5D	28482.05	SSB			N	N	59	59	3141
30 Oct 2005	21:26:40	LT2H	28450.00	SSB			N	N	59	59	3142

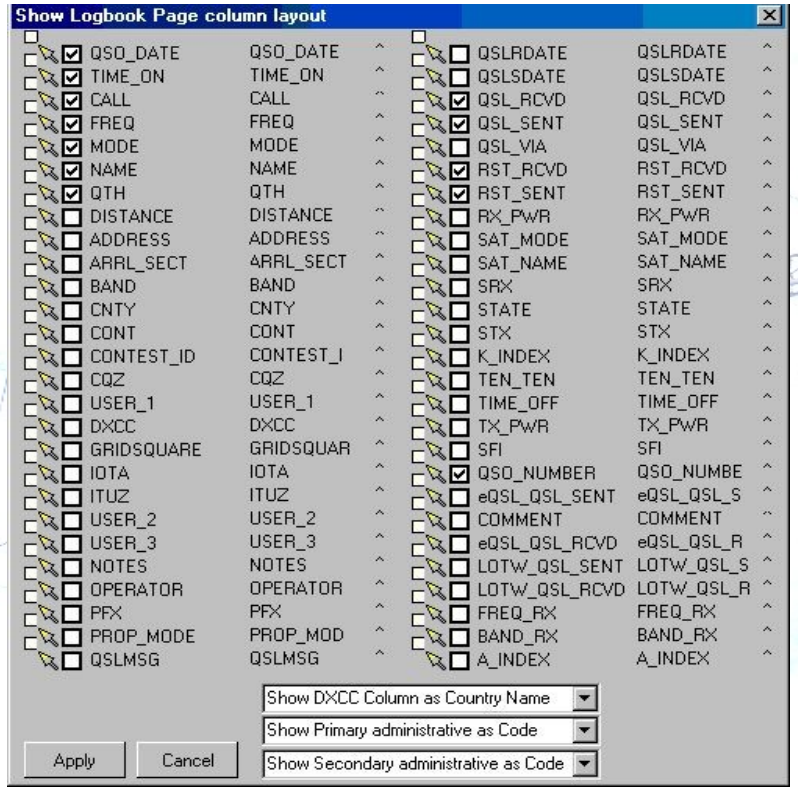
Any ADIF field can be displayed

Sort by date, call, frequency, mode, etc

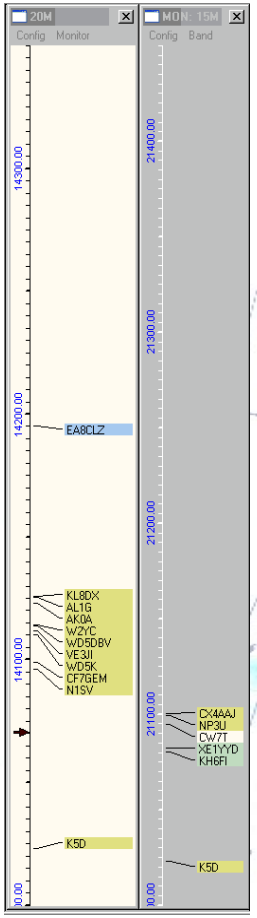
Setup

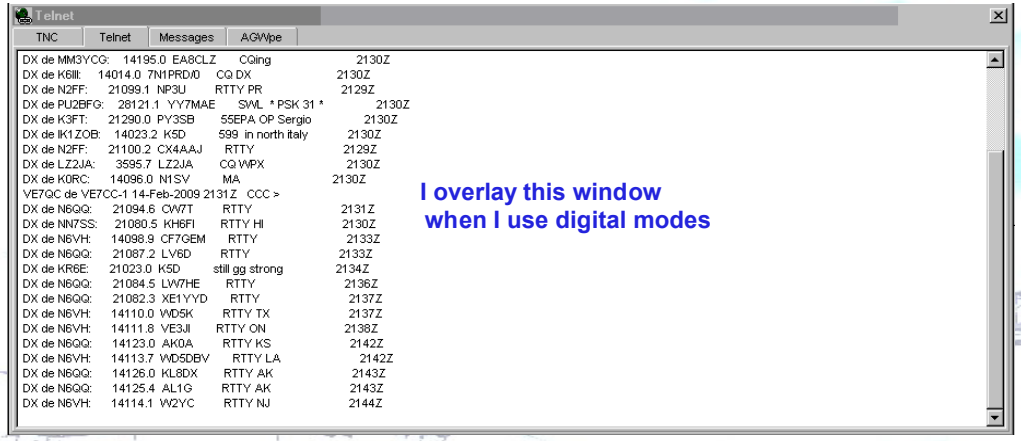
- - - • - - - • - - • • • • - • - - - • • • - • • • • - -

- Choose how you would like your log displayed



Cluster / Bandmaps




Telnet
TNC
Telnet
Messages
AGWpe
DX de MM3YCG: 14195.0 EA8CLZ CQing 2130Z
DX de K6III: 14014.0 7N1PRD/0 CQ DX 2130Z
DX de N2FF: 21099.1 NP3IJ RTTY PR 2129Z
DX de PU2BFG: 28121.1 YY7MAE SWL * PSK 31 * 2130Z
DX de K3FT: 21290.0 PY3SB 55EPA OP Sergio 2130Z
DX de IK1ZOB: 14023.2 K5D 599 in north italy 2130Z
DX de N2FF: 21100.2 CX4AAJ RTTY 2129Z
DX de LZ2JA: 3595.7 LZ2JA CQ WPX 2130Z
DX de K0RC: 14096.0 N1SV MA 2130Z
VE7QC de VE7CC-1 14-Feb-2009 2131Z CCC >
DX de N6QQ: 21094.6 CW7T RTTY 2131Z
DX de NN7SS: 21080.5 KH6FI RTTY HI 2130Z
DX de N6VH: 14098.9 CF7GEM RTTY 2133Z
DX de N6QQ: 21087.2 LV6D RTTY 2133Z
DX de KR6E: 21023.0 K5D still qq strong 2134Z
DX de N6QQ: 21084.5 LW7HE RTTY 2136Z
DX de N6QQ: 21082.3 XE1YYD RTTY 2137Z
DX de N6VH: 14110.0 WD5K RTTY TX 2137Z
DX de N6VH: 14111.8 VE3JI RTTY ON 2138Z
DX de N6QQ: 14123.0 AK0A RTTY KS 2142Z
DX de N6VH: 14113.7 WD5DBV RTTY LA 2142Z
DX de N6QQ: 14126.0 KL8DX RTTY AK 2143Z
DX de N6QQ: 14125.4 AL1G RTTY AK 2143Z
DX de N6VH: 14114.1 W2YC RTTY NJ 2144Z

I overlay this window when I use digital modes

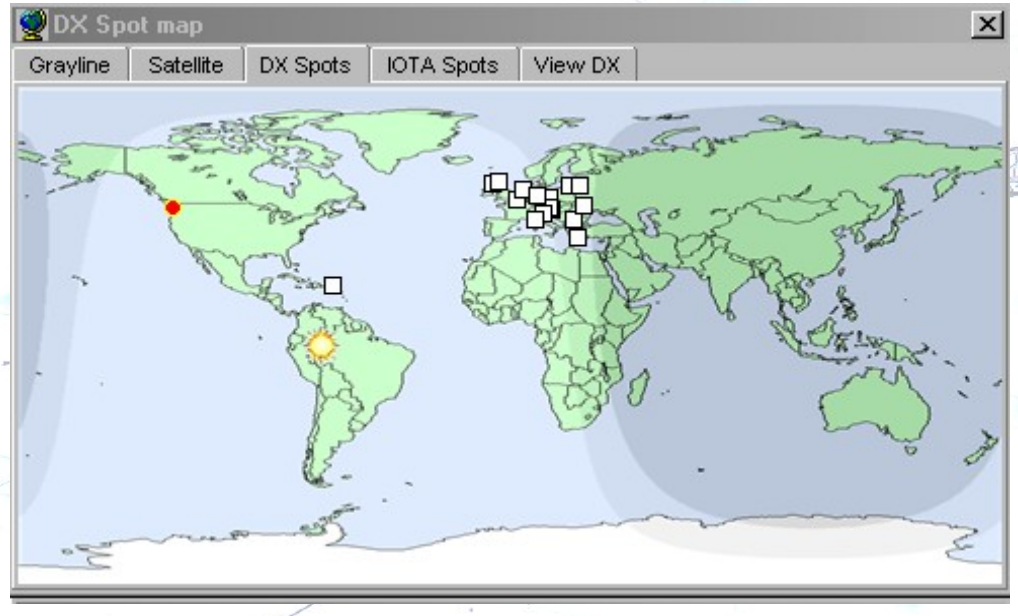
DX Spots

DX Spot	Pfx	Freq	Comment	Time	Origin
CW7T	CX	21094.6	RTTY	21:31:00	N6QQ
KH6FI	KH6	21080.5	RTTY HI	21:30:00	NN7SS
CF7GEM	VE	14098.9	RTTY	21:33:00	N6VH
K5D	W	21023.0	still qq strong	21:34:00	KR6E
XE1YYD	XE	21082.3	RTTY	21:37:00	N6QQ
WD5K	W	14110.0	RTTY TX	21:37:00	N6VH
VE3JI	VE	14111.8	RTTY ON	21:38:00	N6VH
AK0A	W	14123.0	RTTY KS	21:42:00	N6QQ
WD5DBV	W	14113.7	RTTY LA	21:42:00	N6VH
KL8DX	KL7	14126.0	RTTY AK	21:43:00	N6QQ
AL1G	KL7	14125.4	RTTY AK	21:43:00	N6QQ
W2YC	W	14114.1	RTTY NJ	21:44:00	N6VH

Grayline Map

- • - • - - • - - •• • • • • - • - - • •• - • • • • • - •

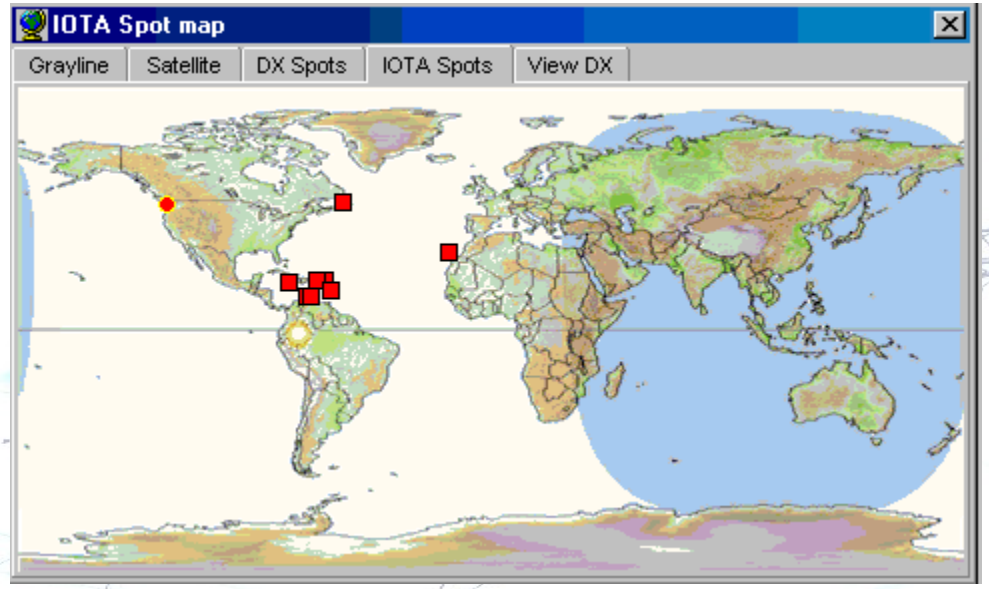
There are a variety of map styles/projections available



IOTA Map

- • - • - - • - - • • • • • • - • - - • • • - • • • • • - •

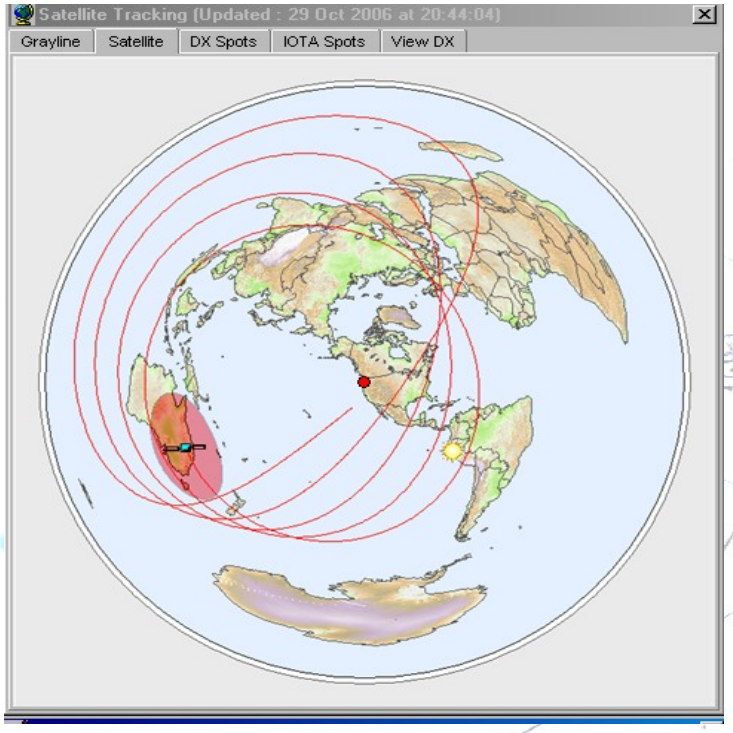
Islands On The Air – sponsor RSGB



Just click on the spot to find out the IOTA

Satellite Tracking

- Example - ARISS Footprint and Path



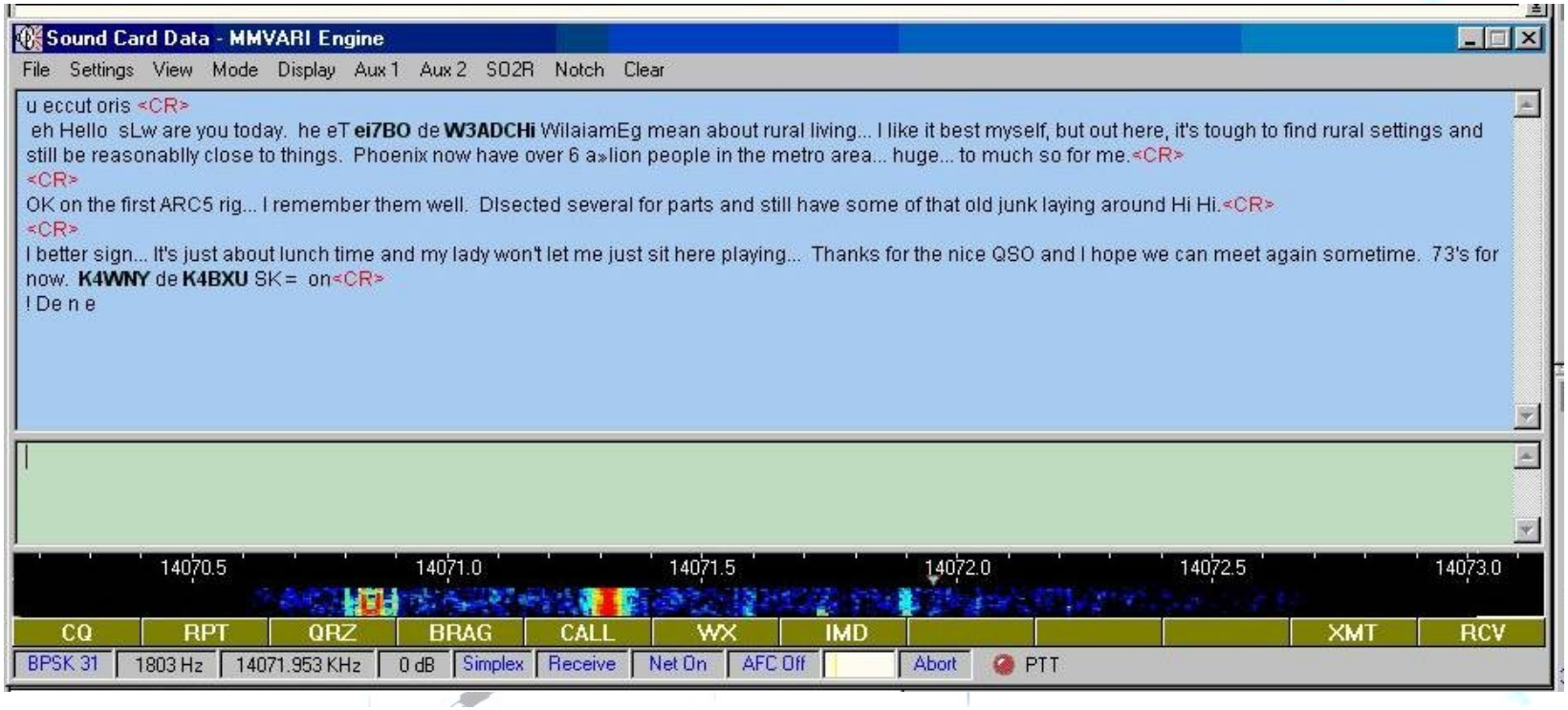
ARISS [+] data	
Select new satellite	ARISS [+]
AOS in 06:42:11	
AOS at 00:13:36 UTC	Az : 240° El : -53°
Range : 6550.4 Mi	Doppler : 88.2 Hz
Altitude : 161.9 Mi	Eclipse : Yes
Lat : 33.72° S	Phase : 214
Lon : 155.16° E	Orbit : 59125

Two line Keplerian elements are easily downloaded from internet

Digital Modes

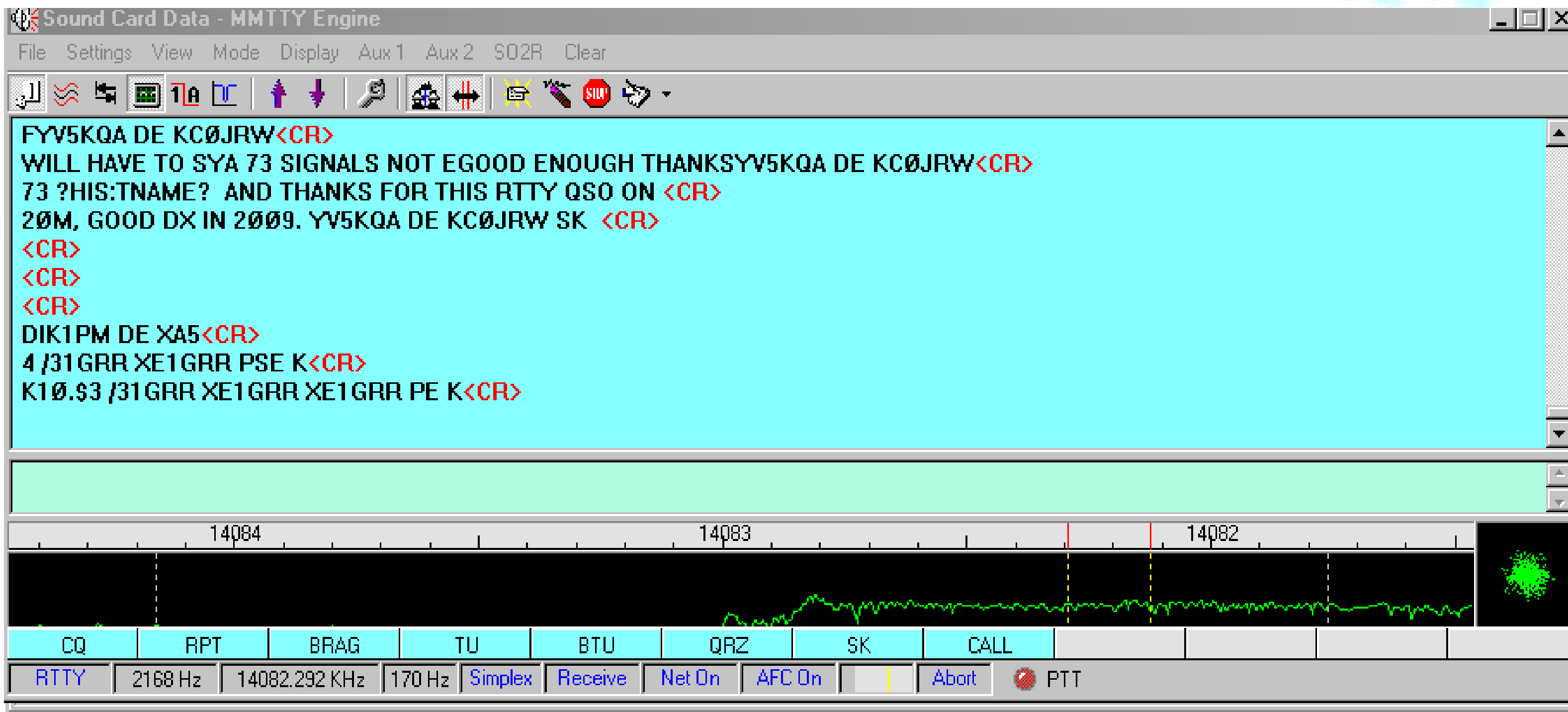
- • - • - - • - - •• • • • • - • - - • •• - • • • • • - •

Supports Soundcard with MMVARI or MMTTY


Sound Card Data - MMVARI Engine
File Settings View Mode Display Aux 1 Aux 2 SO2R Notch Clear
u eccut oris <CR>
eh Hello sLw are you today. he eT ei7BO de W3ADCHi WilaiamEg mean about rural living... I like it best myself, but out here, it's tough to find rural settings and still be reasonablly close to things. Phoenix now have over 6 a»lion people in the metro area... huge... to much so for me.<CR>
<CR>
OK on the first ARC5 rig... I remember them well. DIsected several for parts and still have some of that old junk laying around Hi Hi.<CR>
<CR>
I better sign... It's just about lunch time and my lady won't let me just sit here playing... Thanks for the nice QSO and I hope we can meet again sometime. 73's for now. K4WNY de K4BXU SK = on<CR>
! De n e
14070.5
14071.0
14071.5
14072.0
14072.5
14073.0
CQ
RPT
QRZ
BRAG
CALL
WX
IMD
XMT
RCV
BPSK 31
1803 Hz
14071.953 KHz
0 dB
Simplex
Receive
Net On
AFC Off
Abort
PTT

Digital Modes

Window can be expanded for larger area

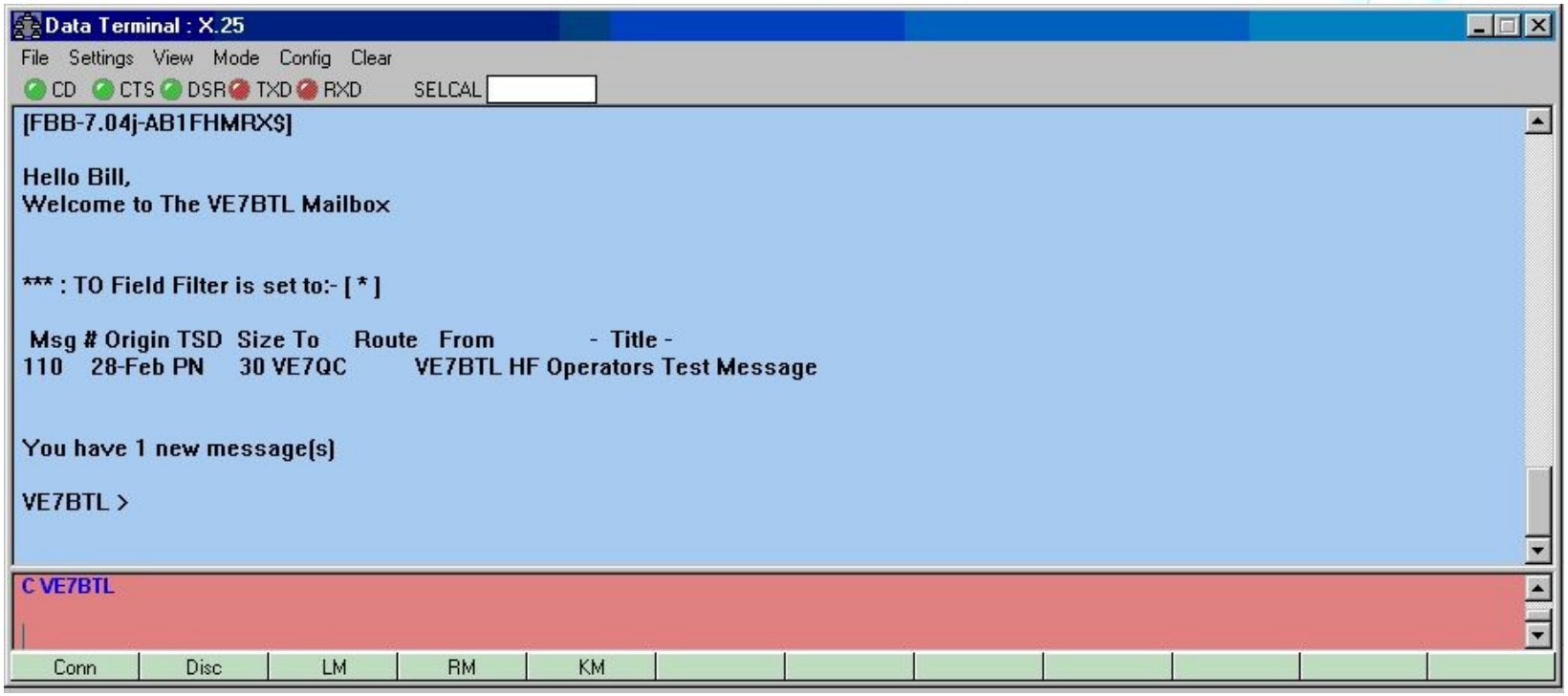


Built In Data Terminal

- • - • - - • - - •• • • • • - • - - • • • - • • • • • - •

AX25,RTTY,CW,AMTOR,G-TOR,P-TOR,ASCII,L-TOR

Hardware such as Timewave, Kantronics,MFJ,etc


Data Terminal : X.25
File Settings View Mode Config Clear
CD CTS DSR TXD RXD SELCAL
[FBB-7.04j-AB1FHMRX$]
Hello Bill,
Welcome to The VE7BTL Mailbox
*** : TO Field Filter is set to:- [*]
Msg # Origin TSD Size To Route From - Title -
110 28-Feb PN 30 VE7QC VE7BTL HF Operators Test Message
You have 1 new message(s)
VE7BTL >
C VE7BTL
Conn Disc LM RM KM

Award Tracking

- • - • - - • - - •• • • • • - • - - • • • - • • • • • - •

Popular Awards Includes – DXCC, CQ Zones,WAS,etc

DXCC - Mixed Mode (With VE7QC)

Pfx	Country	CQZ	ITUZ	6M	10M	12M	15M	17M	20M	30M	40M	60M	80M	160M
C9\M	Manchuria (deleted 15-Se	24	33											
CE	Chile	12	14		C	C	C		C		C			
CE0\E	Easter Island	12	63		C	C	C		C		C			
CE0\X	San Felix	12	14		W									
CE0\Z	Juan Fernandez	12	14				W				W			
CN	Morocco	33	37				W							
CN2\T	Tangier (deleted 30-Jun-1	33	37											
CO	Cuba	08	11		W		W		W					
CP	Bolivia	10	12		C									
CR8\D	Damao, Diu (deleted 31-D	22	41											
CR8\G	Goa (deleted 31-Dec-196	22	41											
CR8\T	Portuguese Timor (deletec	28	54											
All time Countries Worked					73	3	80	4	61		8		1	
All time Countries Confirmed					35	2	26		30		4			
Current Countries Worked					73	3	80	4	61		8		1	
Current Countries Confirmed					35	2	26		30		4			

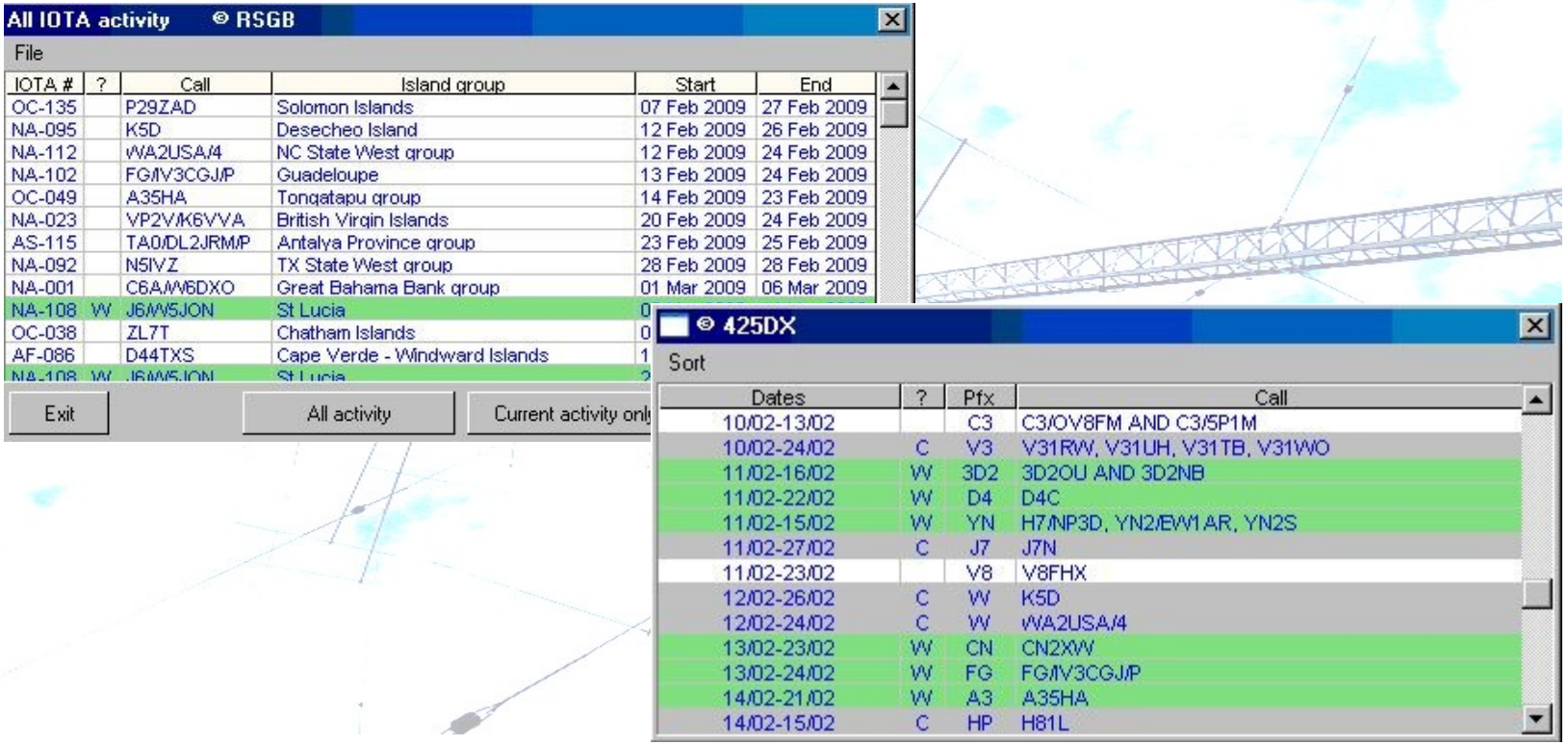
All time Countries - 396. 111 Countries worked, 50 are confirmed. 0 verified.
Current Countries - 338. 111 Countries worked, 50 are confirmed. 0 verified.

Mixed Mode | VE7QC | All QSL types

DX & IOTA Activity

- • - • - - • - - •• • • • • - • - - • •• - • • • • • - •

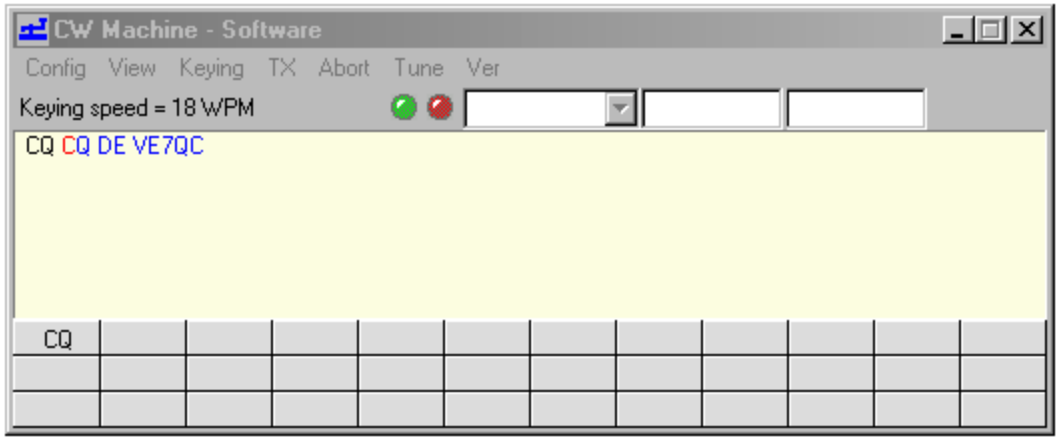
Real Time Info from 425DX-News & RSGB

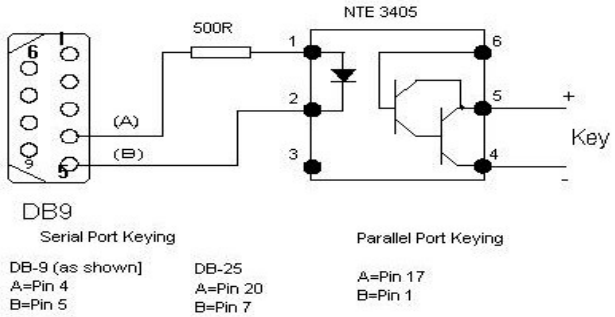

All IOTA activity © RSGB
File
IOTA # | ? | Call | Island group | Start | End
OC-135 | | P29ZAD | Solomon Islands | 07 Feb 2009 | 27 Feb 2009
NA-095 | | K5D | Desecheo Island | 12 Feb 2009 | 26 Feb 2009
NA-112 | | WA2USA/4 | NC State West group | 12 Feb 2009 | 24 Feb 2009
NA-102 | | FG/V3CGJ/P | Guadeloupe | 13 Feb 2009 | 24 Feb 2009
OC-049 | | A35HA | Tongatapu group | 14 Feb 2009 | 23 Feb 2009
NA-023 | | VP2V/K6VVA | British Virgin Islands | 20 Feb 2009 | 24 Feb 2009
AS-115 | | TA0/DL2JRM/P | Antalya Province group | 23 Feb 2009 | 25 Feb 2009
NA-092 | | N5IVZ | TX State West group | 28 Feb 2009 | 28 Feb 2009
NA-001 | | C6A/W6DXO | Great Bahama Bank group | 01 Mar 2009 | 06 Mar 2009
NA-108 | W | J6/W5JON | St Lucia
OC-038 | | ZL7T | Chatham Islands
AF-086 | | D44TXS | Cape Verde - Windward Islands
Exit
All activity
Current activity onl
© 425DX
Sort
Dates | ? | Pfx | Call
10/02-13/02 | | C3 | C3/OV8FM AND C3/5P1M
10/02-24/02 | C | V3 | V31RW, V31UH, V31TB, V31WO
11/02-16/02 | W | 3D2 | 3D2OU AND 3D2NB
11/02-22/02 | W | D4 | D4C
11/02-15/02 | W | YN | H7/NP3D, YN2/EW1AR, YN2S
11/02-27/02 | C | J7 | J7N
11/02-23/02 | | V8 | V8FHX
12/02-26/02 | C | W | K5D
12/02-24/02 | C | W | WA2USA/4
13/02-23/02 | W | CN | CN2XW
13/02-24/02 | W | FG | FG/V3CGJ/P
14/02-21/02 | W | A3 | A35HA
14/02-15/02 | C | HP | H81L

CW Keyer

- - • - • - - • - - • • • - • - - • • • - • • • • - • - - - • • - • • • • - • - - - • • • • - • • • • • - •

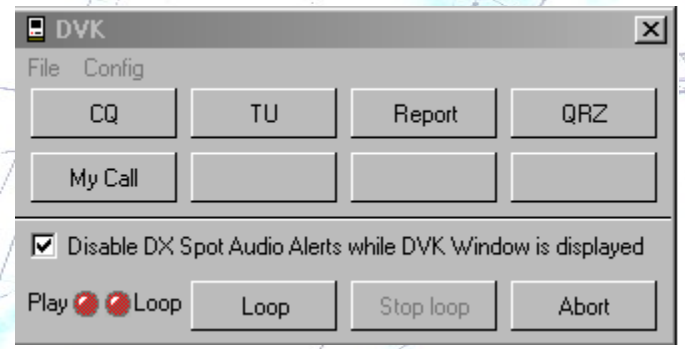
- Serial or Parallel port and WinKey, MicroHam





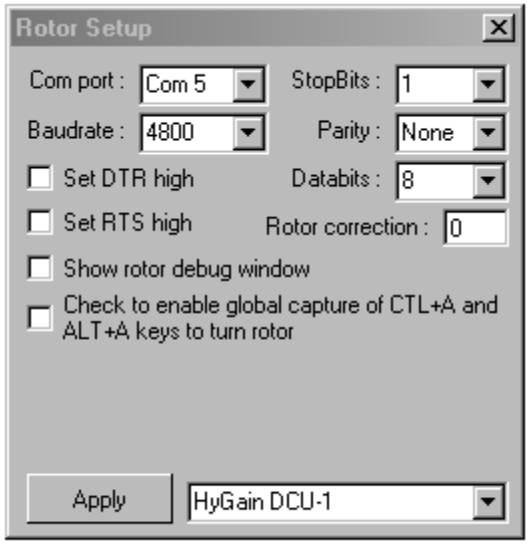
Digital Voice Keyer

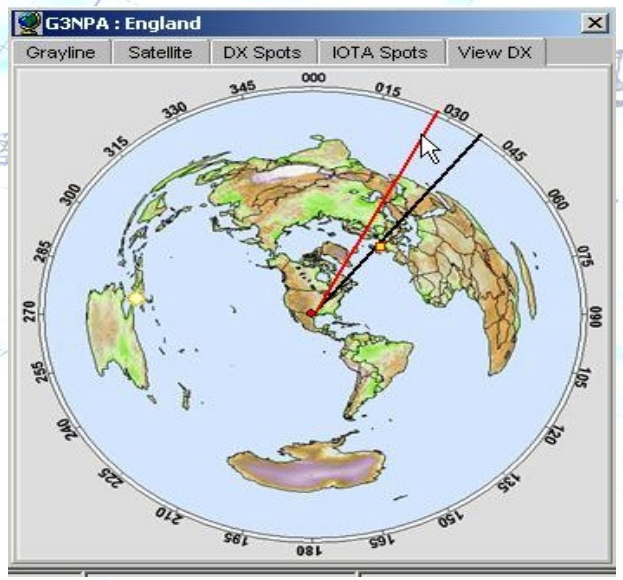
- Native Logger32 Support
- MicroHam
- Radio DVK



Antenna Rotors

- Most popular models (ie HyGain, EA4TX, Yeasu, etc)
- Must be RS232 (Serial i/o)





Antenna Selector

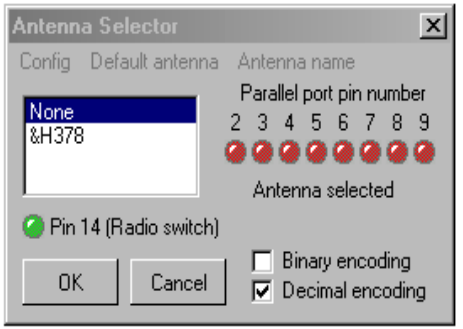
- • - • - - • - - • • • - • • • • - • - - • • • - • • • • - •

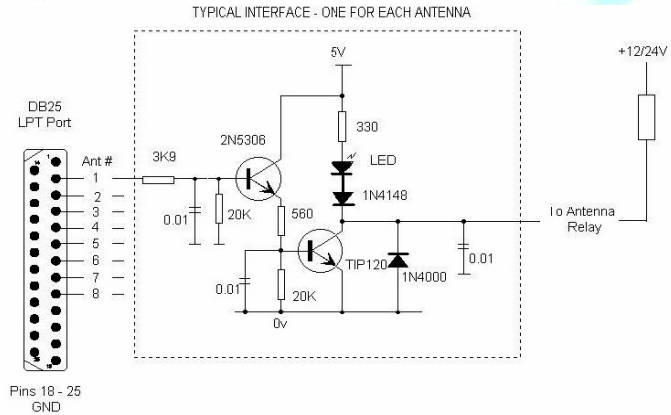
Antenna selection by band/mode & radio

Edit Bands & Modes

Band	Mode	Lower Freq	Upper Freq	Report	Radio Mode	Power	Stats	Aerial	Radio #	Rotor °
10M	RTTY	28.080000	28.100000	599	RTTY		Y	1	1	0
10M	PSK31	28.065000	28.121000	599	USB		N	1	1	0
10M	HELL	28.062000	28.063000	599	USB		N	1	1	0
10M	CW	28.000000	29.700000	599	CW		Y	1	1	0
12M	HELL	24.962000	24.963000	599	USB		N	2	1	0
12M	SSB	24.930000	24.990000	59	USB		Y	2	1	0
12M	CW	24.890000	24.990000	599	CW		Y	2	1	0
15M	SSTV	21.335000	21.345000	59	USB		N	1	1	0
15M	SSB	21.200000	21.450000	59	USB		Y	1	1	0
15M	RTTY	21.080000	21.100000	599	RTTY		Y	1	1	0
15M	FSK441	21.078000	21.079000	599	USB		N	1	1	0

Apply | Cancel | Delete Row | Insert Row



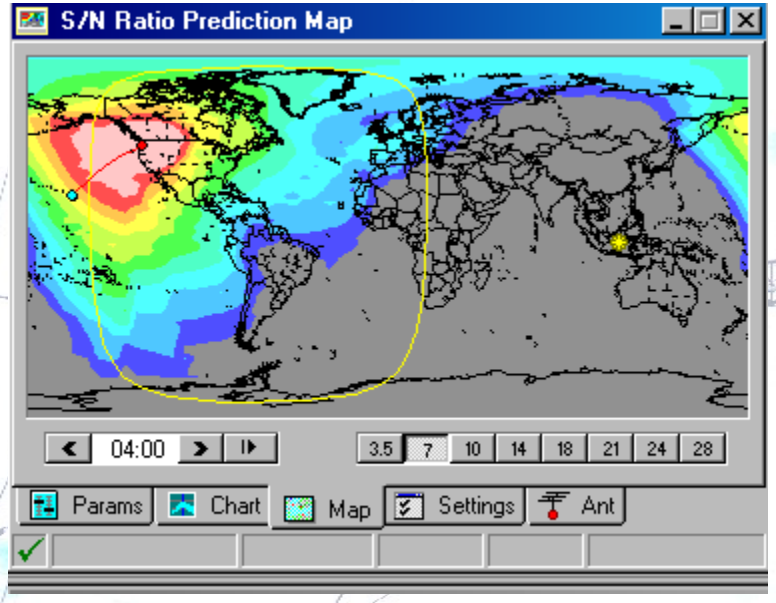


Also supports Amitron RCS-4

Operating Aids

- • - • - - • - - • • • • - • - - • • • - • • • • - •

Ham Cap Add-on

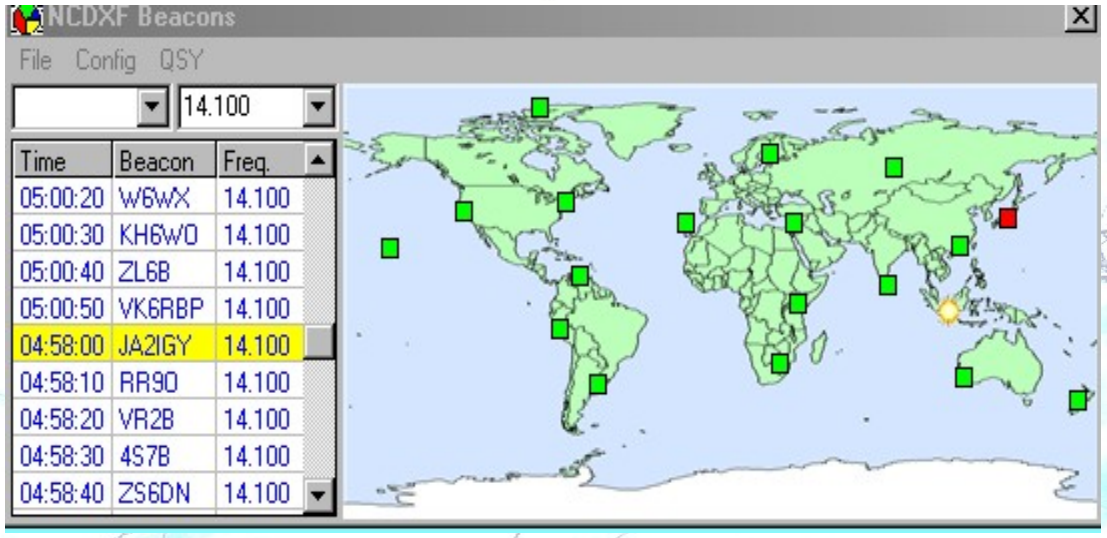


Callsign will be propagated to Ham Cap automatically from entry window

Operating Aids

- • - • - - • - - •• • • • • - • - - • • • - • • • • • - •

NCDXF Beacons - www.ncdxf.org/beacons.html

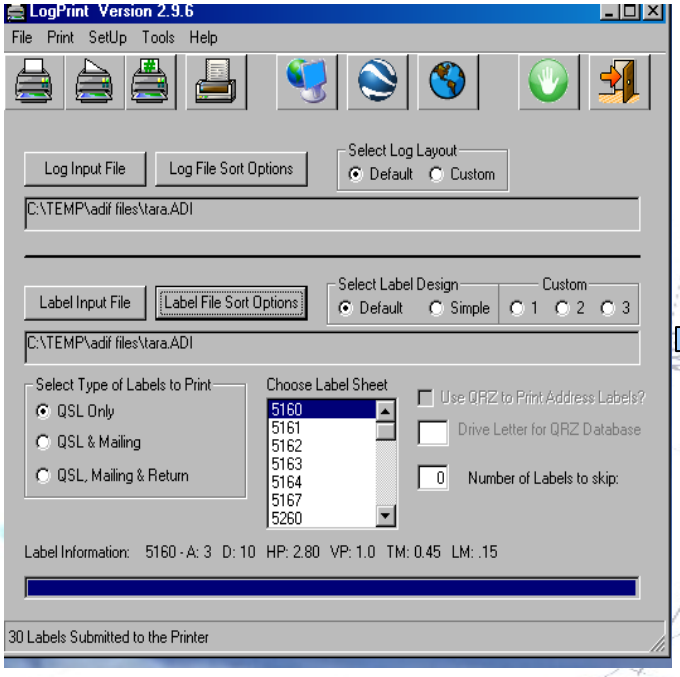


Eighteen beacons Found at 14.100, 18.110, 21.150, 24.930, and 28.200MHz
Each beacon transmits callsign every 3 minutes at 22wpm CW
Four dashes 100w, 10w, 1w and 100mW
Can monitor single beacon (ie ZL6B) and QSY with radio control

Operating Aids

- • - • - - • - - • • • - • - - • • • - • • • • - • - - • • • - • • • • - • -

Print Logs & QSL Labels with Logprint Utility

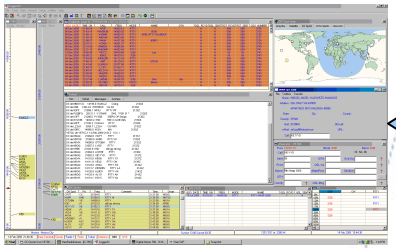


VE7IO
VE7QC confirms the 2xRTTY QSO
Date Time Band RST
06 DEC 2008 00:39 20M 599
Thanks Please Send QSL
W7WW
VE7QC confirms the 2xRTTY QSO
Date Time Band RST
06 DEC 2008 17:19 20M 599
Thanks Please Send QSL
W0KIT
VE7QC confirms the 2xRTTY QSO
Date Time Band RST
06 DEC 2008 17:33 20M 599
Thanks Please Send QSL
ND9E
VE7QC confirms the 2xRTTY QSO
Date Time Band RST
06 DEC 2008 17:39 20M 599
Thanks Please Send QSL
VE7NSR
VE7QC confirms the 2xRTTY QSO
Date Time Band RST
06 DEC 2008 17:44 20M 599
Thanks Please Send QSL
VA7AM
VE7QC confirms the 2xRTTY QSO
Date Time Band RST
06 DEC 2008 17:47 20M 599
Thanks Please Send QSL
KK5OQ
VE7QC confirms the 2xRTTY QSO
Date Time Band RST
06 DEC 2008 18:09 20M 599
Thanks Please Send QSL
NX5O
VE7QC confirms the 2xRTTY QSO
Date Time Band RST
06 DEC 2008 18:14 20M 599
Thanks Please Send QSL

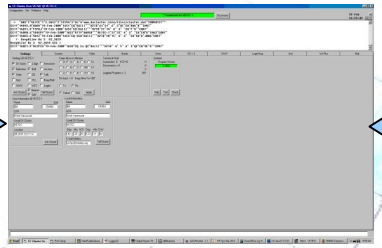
Any other standalone utility program can be invoked

Linking to CC User

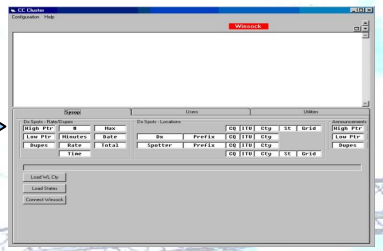
- Telnet connection to CC User
- Port 7300 by default



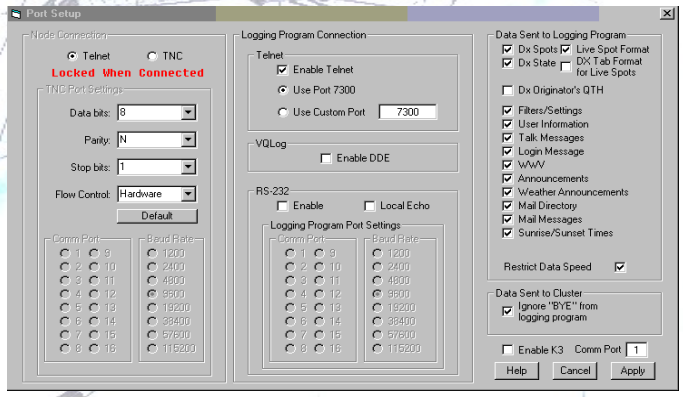
Logger32



CC User



CC Cluster

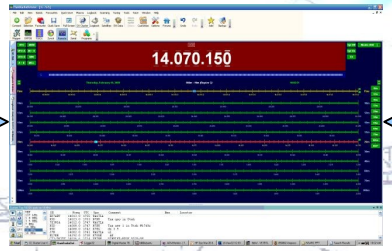


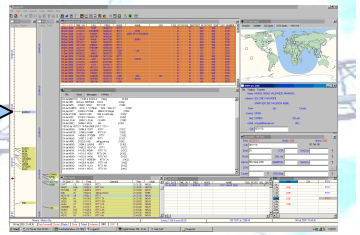
Configuration - Ports/Logging Program

Linking with HRD

- - - • - • - - • - - - • • • - • - - • • • - • • • • - • • - • - •

- HRD connects to Radio with real serial I/O
- HRD & Logger32 connect with virtual serial I/O





Radio via Serial I/F

Ham Radio Deluxe

Logger32

Works best with two monitors – One for HRD and one for Logger32

N2AMG Add ons

– • – •   – – • –   – • •   •   • • • –   •   – – • • •   – •   • • •   • – •

- All available at www.n2amg.com
- Hamcall Lookup from Buckmaster
  - Subscription needed ($58US/yr)
  - CDROM ($50US)
- QRZ Lookup from QRZ.com
  - Subscription needed for XML version ($29.95US/yr)
  - Free lookup using HTTP version
  - CDROM ($30US)
- Fldigi Gateway
  - Allows direct logging from Fldigi
- DM780 Gateway
  - Allows direct logging from DM780

Logger32 Support

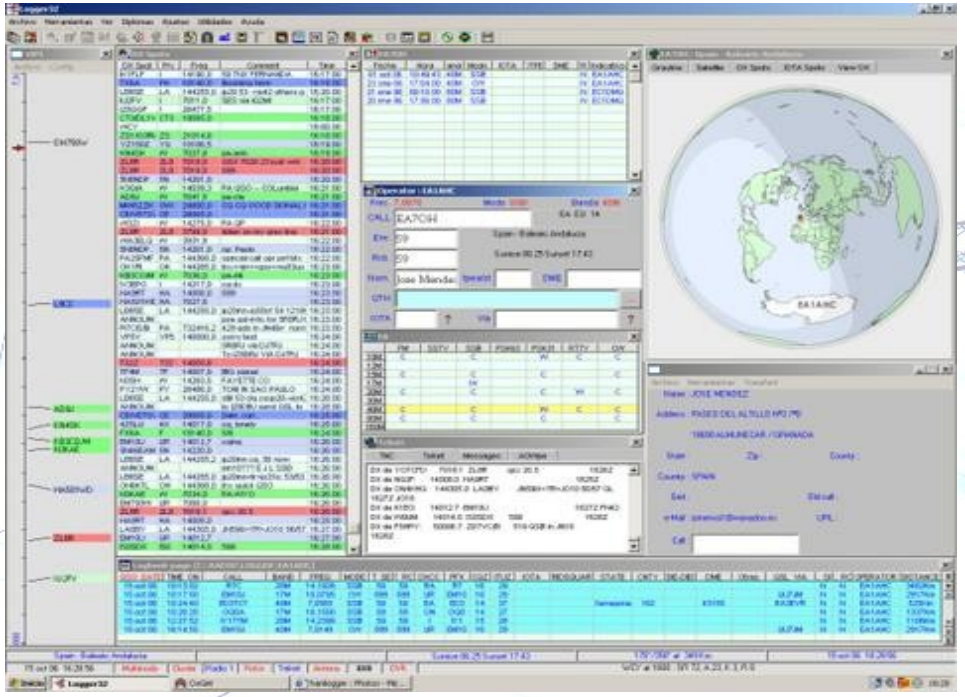
- - - • - - - • - - • • • - • - - • • • - • • • • - - • • • - • • • • - •

- **Web Site**
  www.logger32.net
- **User Forum**
  http://groups.yahoo.com/hamlogger
- **On-line help**
- **User Manual (pdf) 250 pages**
- **Development and Beta Test Teams**

Sample Screenshots

- - - • - - - • - - • - - • • • • - • - - - • • • - • • • • • - •

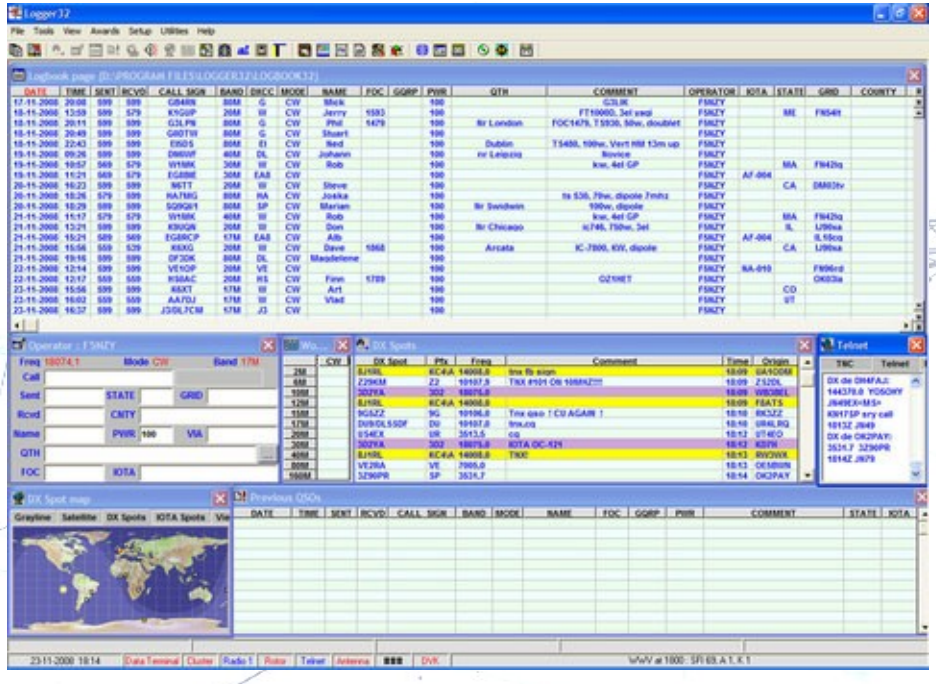
- EA1AHC



Sample Screenshots

- - - • - • - - • - - - • • • - • - - • • • - • • • • - •

- F5NZY



Sample Screenshots

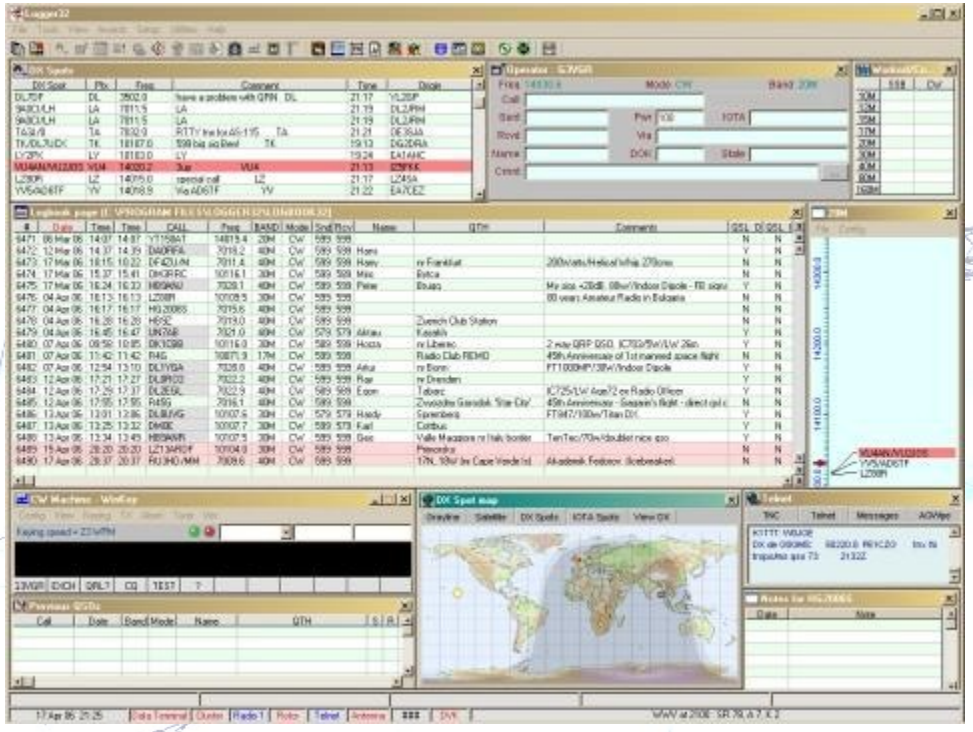
- - - • - - - • - - • • • • - • - - - • • - • • • • • - •

- **FM1HN**

Sample Screenshots

- - - • - • - - • - - • • - • • • - • - - • • • - • • • • - •

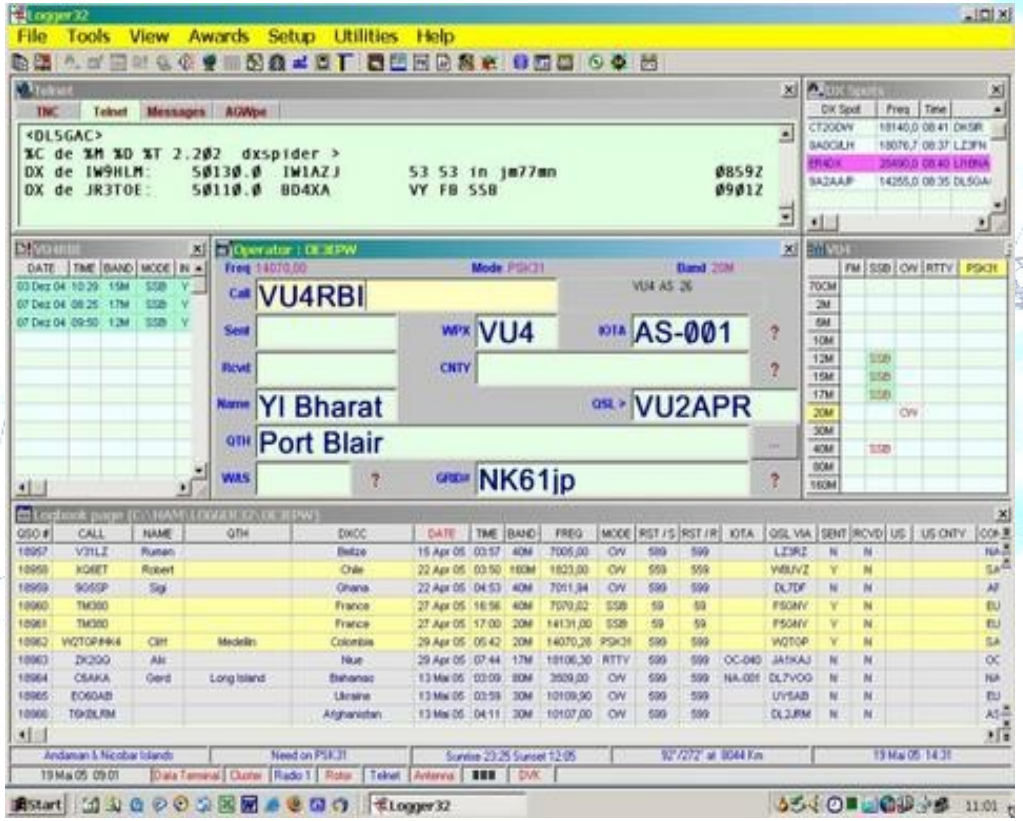
- G3VGR



Sample Screenshots

- - - • - • - - • - - - • • • - • - - - • • • - - • • • • - •

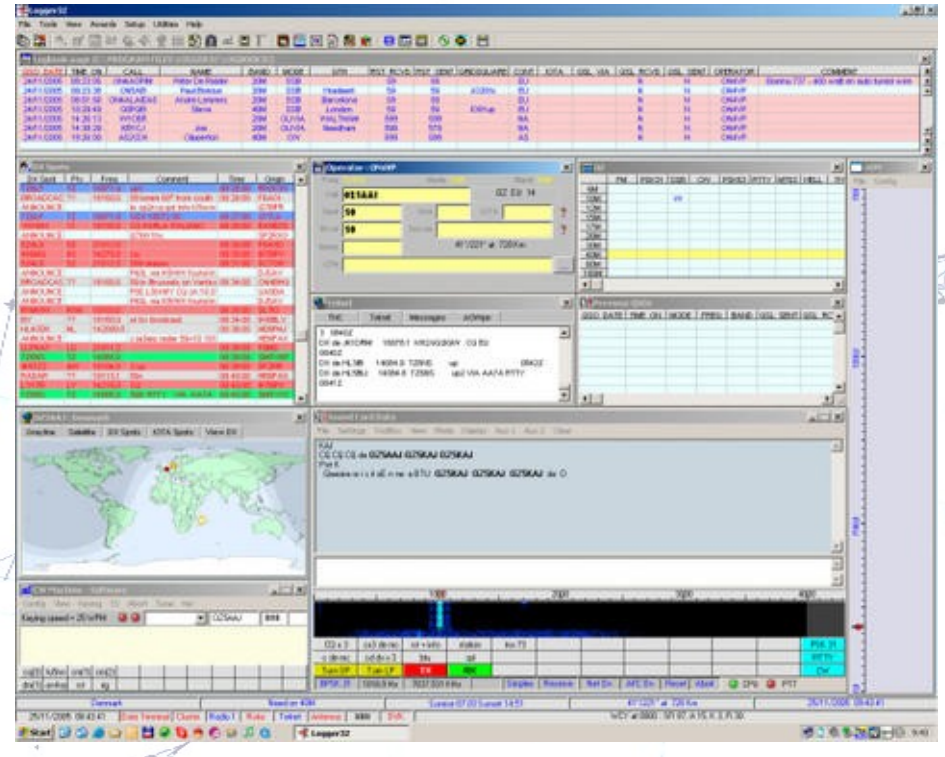
- OE3EPW


Logger32
File Tools View Awards Setup Utilities Help
<DL5GAC>
%C de %M %D %T 2.2Ø2 dxspider >
DX de IW9HLM: 5Ø13Ø.Ø IW1AZJ 53 53 in jm77mn ØØ59Z
DX de JR3TOE: 5Ø11Ø.Ø BD4XA VY FB SSB ØØ1Z
Operator : OE3EPW
Call VU4RBI
WPX VU4
IOTA AS-001
Name YI Bharat
QSL > VU2APR
QTH Port Blair
WAS
GRID NK61jp

Sample Screenshots

- - - • - • - - • - - - • • • - • - - • • • - • • • • - •

- ON4VP

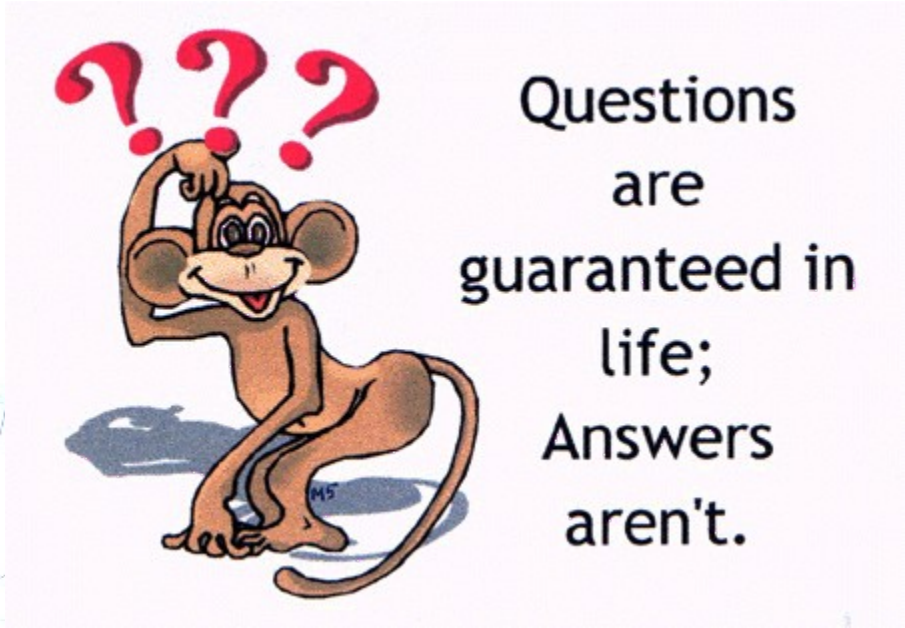


Conditions of Use

- • - • - - • - - •• • • • • - • - - • • • - • • • • • - •

Authorization to use this software is limited to radio amateurs who agree to strictly comply with the following operating practices:

- Always use your full callsign when calling another station
- Never respond to calling operators who do not use full callsigns
- Do not spell your name or QTH unless specifically asked to do so
- Do not call the operator of the station you are in contact with 'Sir', 'Your Highness', 'Doctor', 'Monk' or any other title (real or imaginary)
- Do not end your transmissions with 'QSL', 'Roger', 'Over', or 'Over Over'
- Do not begin your transmissions with 'QSL', 'Roger', or 'Roger Roger'
- Do not operate (or condone those that do) on DX list or DX net operations
- Know the callsign of the station you are calling before you call
- Do not operate on SSB with wider than 2.8 ~Khz bandwidth filters (or condone those that do)
- Do not use external devices to unnecessarily distort the audio
- Do not precede an exchange of signal reports with "Please copy ...," "When last heard...," or any other superfluous colloquial phrase.

The End

- • - • - - • - - • • • • • • - • - - • • • - • • • • • - •